

STIC Biotechnology Systems Branch

CRF Problem Report

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) experienced a problem when processing the following computer readable form (CRF):

Application Serial Number: 10/593,426
Filing Date: 9/9/06
Date Processed by STIC: 9/27/06

STIC Contact: Mark Spencer: Telephone: 571-272-2510; Fax: 571-273-0221

Nature of CRF Problem:

- (circle one) Damaged or Unreadable (for Unreadable, see attached)
- Blank (no files on CRF) (see attached)
- Empty file (filename present, but no bytes in file) (see attached)
- Wrong file saved to CRF (invention title, docket number, or applicant(s) do not match those in official application) (see attached)
- Not saved in ASCII text
- Sequence Listing was embedded in the file. According to Sequence Rules, submitted file should **only** be the Sequence Listing.
- Did not contain a Sequence Listing. (see attached sample)

Other:

Alpha numeric readings in sequence.

**PLEASE USE THE CHECKER VERSION 4.3.1 PROGRAM TO REDUCE ERRORS.
SEE BELOW FOR ADDRESS:**

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 08/30/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER

10/593,426

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules,** each n or Xaa **can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid

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(Sample of Submitted file)

PAGE 1

SEQUENCE LISTING

<110> PAPES, Fabio
GERHARDT, Isabel Rodrigues
ARRUDA, Paulo

<120> CAMBIUM/XYLEM-PREFERRED PROMOTERS AND USES THEREOF

<130> ALEL 202.1 PCT

<140>
<141>

<150> US 60/560,227
<151> 2004-04-06

<160> 41

<170> PatentIn version 3.2

<200> SEQUENCE CHARACTERISTICS:

<210> SEQ ID NO 1

<211> LENGTH: 3035

<212> TYPE: DNA

<213> ORGANISM: Populus sp.

<220> FEATURE

<221> NAME/KEY: promoter

<222> LOCATION: (1) ... (3035)

<223> OTHER INFORMATION: Sucrose synthase (SUSY) promoter

<400> SEQUENCE: 1

pls delete,
invalid
numeric
identification.

pls do not insert

Alpha numeric headings
in sequence,

These types
of errors
are seen
globally
throughout
the sequence.

tcatgtccta tccaaacggcg atgcaaactt cgctgtcccg cacttttca taggacgagg tgaagtttag 70
atataatatct tttttttta atttaaatttg ttaattcttt atatttttat attcttttaa ttttatattt
140
ttatattatt ttgatatatatt acatcaagaa taaattttaa aaaaataatt tttaaaattt acttaaccac
210
acaatacata aaaaataata gaacccacca acctaagaat acttgtcaat gcatagaagt acacctgcata
280
gttcctaaaa ccaacaaaag gaagcaaagt agatctctga gtcaaaaacc agaggaaacc atagaaacac
350
ataataataa taataataat aataataata aaattaattt aacttggtgt aataataaaa ttaatttaat
420
tacaaagagt gtaactcaac tagtcatgtt ctaaatttat tctctagaga ttactagttt gagttttaca
490
aattttaagg ccactgaaga tttatatagt cattaatttc agaatatata agatttagt agttacgtat
560
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630
gaaagagtgt gtgtttatt tttcatctgt ccctctctca acagacaagt agaatgtga gagagagagg
700
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770
acccacagg aaggtaaagc ggtaatgata tatttcacga atactaaaac tagaacaaca agtttttaa
840
tcaattaaa ccacgagtgc aaggccgtct tctctgtta taaaagggtc cttttctt ctcattccc
910
atctcatct gcaaacttct ccttgcaat ctttcttct tgcggtctgt gtgtcggttg tgatttggt
980

pls see item #1 on error
summary sheet.

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PAGE 2

1050
1120
1190
1260
1330
1400
1470
1540
1610
1680
1750
1820
1890
1960
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2870
2940

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gcagttgggc tgccatgacc aaaagaaaact tcgactgatt ataaatgtca aaacttgggc ccattcttg
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ccctacaaat aatattgagt ttttgctggt cttaatttccattatctgtt attactccca ctgattgtt

Same errors

See item

1

on error

Summary

Sheet

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PAGE 3

3010
tcgtttctc ttaaggagct atggc
3035

↙ Same
error

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PAGE 4

<200> SEQUENCE CHARACTERISTICS:

<210> SEQ ID NO 13

<211> LENGTH 31

<212> TYPE: DNA

<213> ORGANISM/SOURCE synthetic

<221> NAME/KEY: primer/oligonucleotide

<400> SEQUENCE: 13

5-GCCATAGCTC CTTAAGAGAA ACAGAAAGCA A⁻³

pls delete

invalid numeric identifier

Invalid response

insert on line <223>

Q delete

delete

pls use lower case

FYI:

See item

10 on

error
summary
sheet.

The type of errors shown exist throughout
the Sequence listing. Please check subsequent
sequences for similar errors.

<213> responses
CAN ONLY be
either
Artificial/
Unknown or
Genus/Species,